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APRIL 1891.

A decorative title page featuring the word "Maryland" in a large, ornate Gothic-style font. The letter "M" is particularly detailed, with a small sunburst icon above it. The word "Farmer" is written in a bold, serif font to the right of "Maryland". The background is decorated with intricate patterns, including a repeating geometric border and floral corner pieces. A small sunburst icon is also present near the bottom left of the title area.

Maryland

Farmer

• AND •

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OUR 28TH YEAR.

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AND NEW FARM.

Vol. XXVIII. BALTIMORE, April 1891. No. 4.

For the Maryland Farmer.

MEMORIES.

THE dear old country home ;
How rich the memories clustering round thee now—
Sweet memories of young life :
The early work, the barn, the horse, the cow,
The patient tread behind the sturdy plow.
How rapidly they come !
A flock of happy birds all free from care or strife.

The dear old country home,
With many a trait of kindly brotherhood
And all the homely ways
That made our life a blessed round of good,
Free from the burdens of the city's mood.

How rapidly they come !
A crowd of joyous thoughts and happy days.

The dear old country home ;
How many days have passed since I was there—
All passed away as nought.
And now the years have vanished in the air,
As has the old man's crown of well-bleached hair,
For early days have come
With all their blessed, winsome memories fraught.

H. R. W.

For The Maryland Farmer.

OUR NEW FARM, XX.

BRINGING UP LAND.

INCE printing my last about how I renovated my ten acres of barren sand, the editor of the MARYLAND FARMER has handed me several letters asking questions. Of course I can't answer them all either in print or privately.

" You know, Mr. Green," says the editor, " that this subject is an important one, and your answer will do much good."

Perhaps this is so—and when I read the letters I am inclined to answer.

One of the writers asks me to give the name of the dealers in fertilizers who were so accommodating to me. This would hardly be right; for I would not like to have them overwhelmed with applications, good, bad and indifferent, on this subject. Besides they might not wish to make this a feature of their business. It was probably nothing more than an experiment on their part.

Another letter says :

" Very few can afford to risk the amount of money, to put a whole ton of fertilizer on each acre, and expect to get it back with interest."

Still another says :

" A ton and a half of fertilizer used in two years on every acre should give the ground a pretty good start; but I can't put forty or sixty dollars to an acre in that way."

Another says :

" Mr. Green seems to have good friends and his success is not a guide for those who are little known."

Then another asks :

" Won't Mr. Green tell just what kind of fertilizer he used and how I can go to work to restore my lands?"

All these, and several more, show what is in the minds of the readers.

I think if these persons will read attentively the article in the March number, much of this kind of comment will have but little point, and much will come to them as possible, which at first, may not appear to be possible.

Suppose for example, that you cannot make the arrangement with a fertilizer house; still you are not obliged to take ten acres. Try one, or a half an acre, or a quarter of an acre, and the result there will tell what you can do on a larger field. I would not advise anyone to put all his money into this work at once.

Then as to another point: I do have good friends, I know. I have tried my best to prove myself friendly and have my friends place confidence in me. I have had but very little except my character and conduct to help me through life, so I have tried to do the best I could with these.

Now as to the kind of fertilizer used by me on that ten acres and how to work it. I think I explained fully how I did the work. The fertilizer was put on broad-cast and consisted one half of dissolved raw bone, and the other half of finely ground raw bone. The former half was intended to give the crop a start and the latter was for the permanence of effect.

I now come to another field, a short distance back of our orchard, which I served in an entirely different way—partly by accident and partly through ignorance.

This piece was about three acres in extent and I thought the first year I was on the place of planting some sweet potatoes there for market. It was covered with what appeared to have been stunted weeds and was much better than the ten acres.

The first day I commenced to plow there, Mr. Burns happened along, and he said :

"Mr. Green, that piece of ground won't grow sweet potatoes unless you have plenty of manure to put on it, and then it won't pay you."

Then I asked :

"Well, what will it grow?"

"Not much of anything," was his answer. "When the rest of the farm was in good order, I remember that land only grew the poorest crops of corn."

"Oh well," said I, "then I will try some corn on it."

So I continued to plow it until it was finished.

I talked, also, with Mr. Camden and he said :

"I don't think whatever you plant there, Mr. Green, will amount to much. All the life seems to have gone out of that land."

This discouraged me, so that after it was plowed, it lay idle two or three weeks. I then thought I would sow it broad-cast with corn for fodder. But by this time it was somewhat weedy and one or two rains had settled it quite solid, so I concluded to put the plow into it again.

So I plowed it a second time, but I was frequently interrupted and before I got it ready to plant, other work was pressing us and I left it without planting.

In the latter part of August, there was

quite a crop of weeds on that spot and as I didn't want them to go to seed, I told Charley one day he had better plow that land again.

So having nothing better to occupy him, he plowed it a third time; but along in October, it seemed to have gathered, in patches, bunches of weeds again, and I had it plowed a fourth time—all this work as I supposed for nothing.

During the winter following I had that three acres often on my mind and I read considerable on the subject, also. I believe in reading, even if it don't always turn out to one's satisfaction.

My wife said one night :

"John, you have done pretty well with all your crops; but I don't see what you plowed that land behind the orchard four times for without planting anything."

"Ah, my dear wife," I answered, "that is as much a mystery to me as to you. I've spent a great deal of work there for nothing."

"And what will you do with it, now?" she asked.

I answered her :

"I'll plow it again as soon as I can in the spring."

She said ;

"And that will be five times plowed, and then you won't do anything with it."

To this I gave answer with a laugh.

"I am afraid that will be the case. It seems to be of little account and I can't spend fertilizer on it, to the injury of my other paying crops."

"Well, it will do for exercise, to keep Charley and Old Roan from becoming lazy." This she said with a hearty laugh all round.

Then again she spoke, after a few minutes silence :

“Wouldn’t peas grow on it?”

I answered,

“I am afraid, not. You see the land seems dead. Even the weeds which grow readily anywhere, would not half grow there.”

Then she said :

“You might grow something for the cow there, even if you could not raise any truck for sale.”

Mentioning the peas and then associating the cow with the land, gave me a thought, and I said to myself:

“Cow peas will grow there, certain. And I have heard that they are good things to turn under and bring new life into dead land.”

I laid my plans, and wrote to Baltimore that I should want about twelve bushels of cow peas the very first thing in the spring.

I soon received an answer that twelve bushels of cow peas could not be found in Baltimore.

I then wrote to Washington; but with no better success. Finally I went to Baltimore and got a dealer to get me the seed from the South; and when I received them, they had cost me about \$2 a bushel.

Said my good wife when she saw the bill:

“Why, John, isn’t that going to be a costly experiment?”

And I answered her;

“That piece of land seems destined to be an eater up of time and money, anyhow.”

Then she said ;

“Why don’t you let it go? and turn your time and labor to something that will amount to somewhat?”

Then I said :

“Well, my dear, I don’t like to be beat, and I don’t want my neighbors to laugh, even in their sleeves, at my ignorance and failure. I guess I’ll try the cow peas.”

So the little black-eyed peas came to hand and as early as possible in the spring Charley and Old Roan were at work for the fifth time plowing that three acres.

Mr. Burns came along and called out :

“Hello, Mr. Green, so you’ve already begun your year’s work on that land, have you!”

And I answered :

“Oh yes, Mr. Burns, there’s nothing like having something to keep you in practice, you know.”

He then said :

“How many times have you plowed that ground?”

My reply was :

“Oh, only five times now!”

Well, in my ignorance I did what proved to be just the very best thing that could be done with that land. The five plowings just put life in that soil so that the cow peas flourished finely. I sowed half of them that spring, and when in good blossom I turned them under using a chain on the plow for that purpose. I immediately sowed the other half, which were turned under in September, and then I sowed the ground with rye.

The rye made quite a growth and I was sorely tempted to turn that under in

December; but for some reason it was not done.

Another winter went by. The next spring I turned under that rye, sowed oats on the ground and clover; finally I harvested the oats, let the clover grow until fall and then turned that under.

In these three years I had one crop of oats from that land, which I cut while still a trifle green and bound them in bundles for my precious Old Roan. Not having threshed them I could not of course speak of the quantity harvested.

But the land was no longer "dead." It is now fully alive, and as productive as any part of the farm. If it lags a little at any time, I give it a little green manuring, turning under clover, or rye, or buckwheat, thus adding the needed vegetable mould.

I wish to call the attention of my brother farmers to this fact: I learned that frequent plowings of land did it a great deal of good and I have since become fully convinced of the real benefits which follow frequent plowing, even when no manure is added.

On one field I experimented in this wise. I gave one part four plowings during the summer. I gave the adjoining part one plowing. Then the third part I gave one plowing and a very liberal dressing of manure. In each case following the plow with the harrow, also.

The first part without manure, but four times plowed, was equal to the one heavily fertilized. The second part between the two was poor enough to set off to advantage both the others.

Here you have my experience growing out of my supposed unfortunate labors on that three acres.

The three acres have paid me well for all my labor and expense.

One of the letters handed me by the editor asks:

"How does Mr. Green keep his land good after he once gets it so?"

Well I think this is a somewhat strange question for a farmer to ask; but it opens quite a field for remark. Perhaps it is a proper question, too, when we consider how much of our Maryland land is now in a worn out miserable condition, presumably because such farmers as this did not know how to keep up fertility.

I do, as some wise man before me has said, "feed it before it gets hungry," and generally in this particular way:

I couldn't afford to buy commercial fertilizers except to start with, and then only to a limited amount. But on my poor land, unless I could wait the slow work of the above three acres, nothing else seemed to be so effectual as a starter.

After once brought up, where my barn-made fertilizers do not hold out, I use green crops constantly as a renewer of richness in the soil. If I have plenty of time and can spare the land, (and I generally can,) I sow a mixture of rye and clover, as soon as the summer crop comes off; mow the rye in the spring for horse, cow, and pig; allow the clover to grow until fall and turn it in; or sometimes allow it to grow and turn it in the second year.

Sometimes, if I wish to use the land the next summer, I merely follow the summer crop with rye, and turn that in early during the next spring, omitting the clover altogether.

I do not know that this is the best

way; but the experienced reader must allow for my ignorance, and remember I am willing to do better if I am told how.

But let me say that I generally have a large amount of fertilizer myself. The horse and cow stables, the pig pen and the poultry houses supply a goodly quantity, for these are augmented constantly by everything about the farm which can be thus turned to account.

I am careful, also, about saving all the ashes and all the slops of the house and turning them into fertilizers. I have a shed into which loads of dirt, sods, etc., are thrown and this receives all the house slops, concealing them from sight and at the same time making them useful.

This must suffice on this subject at present. It is quite a digressive chapter occasioned by the comments of readers on the previous article. In my next I will try to mark out once more the regular progress of our general life.

To be continued.

SELECTED.

The first coins struck by the United States mint were some half-dimes, in 1792; the first dimes were struck in France from old silver family plate furnished by Washington, the coins being known as "Martha Washington Dimes," from the circumstance as noted, and an adaptation of the Liberty head to that of Martha Washington.

In the valise of an English tourist to Greenland was a big red apple, and the custom house men, having never seen one

before, and being unable to find anyone who had, took it for a bomb and made the Englishman sit down and eat it. They were quite put out when he didn't explode and shatter things.

There are 21,000,000 acres of United States land owned by foreign noblemen, who are not citizens of the United States, owe no allegiance to the government, and spend the money elsewhere.

One million of oranges were used in building the pavillion at the California State citrus fair now in progress at Los Anglees.

Seaweed is now made into a tough paper, which takes the place of window glass. When colored the effect is similar to stained or painted glass.

The "old slave market" which is pointed out to every Northern visitor in St. Augustine never saw the sale of a single slave.

It is commonly believed in England that a good way to get rid of cockroaches is to address to them a written letter, saying: "Oh, roaches, you have troubled me long enough; go now and worry my neighbors." The letter must be put where they most swarm, properly sealed. It should be written legibly and properly punctuated.

The largest gold coin in circulation in the world is stated to be the gold "loof" of Annam, the French colony in eastern Asia. It is a flat round piece, £65. The next in size to this unwieldy coin is the Japanese "oband," which weighs

more than two ounces and a half, about equal to 10 English sovereigns.

For The Maryland Farmer.

FEATHERINGS.

HE amount of importance given to the very slightest defects in the feathering of chickens in the Poultry Shows seems a great defect in view of the actual value of the various breeds.

A pure bred Brahma may not be heavily feathered on the middle toe; but nevertheless may be a member of a family having the very best traits as to prolificacy and of the most vigorous character as an individual, furnishing the very best market birds.

Another pure bred Brahma, may be of an almost barren family and lacking in healthful powers, but being heavily feathered on the middle toe, is far in advance of the former.

What utter nonsense is this! Practical farmers and all sensible poultrymen must know it to be the very height of nonsense.

Butter Working.

TIT is stated that a new method of washing butter has been patented in Germany.

As soon as gathered in the churn in particles of about a tenth of an inch in size, it is transferred to a centrifugal machine, whose drum is pierced with holes and lined with a linen sack, that is finally taken out with the butter.

As soon as the machine is set in rapid motion, the buttermilk begins to escape: a spray of water thrown into the revolving drum washes out all foreign matters adhering to the butter.

This washing is kept up till the wash-water comes away clean, and the revolution is then continued until the last drop of water is removed, as clothes are dried in a centrifugal wringer.

The dry butter is then taken out, molded and packed.

It is claimed that the product thus so fully and quickly freed from all impurities, without any working or kneading, has a finer flavor, aroma and grain, and far better keeping qualities than when prepared for market in the ordinary way.

A Melon District.

SOUTH-EAST MISSOURI seems to have become famous for its melons. Upwards of 5000 acres are now devoted to raising melons, and fully 3000 car loads are shipped every year.

The growers, however, have not yet learned to send their produce to Eastern markets, and do not compete with Maryland, Virginia and the Carolinas.

COMPLETED TO DEADWOOD.

The Burlington Route, C. B. & Q. R. R., from Chicago, Peoria and St. Louis, is now completed, and daily passenger trains are running through Lincoln, Neb., and Custer, S. D., to Deadwood. Also to Newcastle, Wyoming. Sleeping cars to Deadwood.

For The Maryland Farmer.

Lessening Farm Labors.

BY JAMES SMITH.

I HAVE read in the *Ploughman* about a farmer in Maine who bought a farm for \$400, of ninety acres of rocky ground, and went into fruit raising, gradually planting his trees, until now he has about 6000 trees, mostly apple trees.

According to this article the income from this farm for apples has been for the past three years \$2,400, \$1,200 and \$1,000, with the promise of greater income in the future.

Now this is a pretty good income from a farm, for which the owner, Mr. Phineas Whittier, of Chesterville, only gave \$400.

It goes, without argument, that there is money in fruit raising, and that orchards are very profitable. It is also evident from the above that Mr. Whittier has discovered some means of overcoming the non-fruitage of every other year.

The greatest search is now, as it has been from time immemorial, for some method of farming by which the heaviest drudgery may be escaped, and money for a comfortable living may be made, by a degree of light labor.

The raising of fruit seems to be that way. The severity of farm labor behind the plow and in the broiling sun, from early dawn until late at eve, is avoided where fruit is made the principal crop.

I have often thought that Orchards, where the farmer desires to lessen the labor, might become the chief dependence. With proper care every part of the labor can be performed with comparatively little expenditure of animal force, and the farmer's life will be more com-

fortable and less wearing than at present.

It is observable that not only is fruit immensely profitable in California, where fortunes seem to be hanging on the tree; but even in cold, inhospitable Maine the same fortune seems to hang on the trees, and "fruit" the name of it.

While farmers do not publicly proclaim that their work is a huge drudgery—depressing and destroying; yet we all know it to be a fact, and we must wait patiently until we can correct this feeling by introducing such light labors as the fruit of the orchard may require in cultivation, harvesting and marketing.

It is time that the extensive cultivation of the cereals should be delegated to the great plains of the west, while the more perishable, but more remunerative crops should be cultivated in the East. On the great plains of the West the scope for labor by the animal and by steam is ample, and the cost is brought very low. Let them have the monopoly of the cereal crops.

Here let them pass away; let us cultivate that which will give us the best life with the least amount of labor. Let us have the fruits brought in gradually to accomplish this end.

The market for fruits is world wide, and while it may be over stocked at times as a home market, foreign countries are always ready to take all that can be sent them, and will pay very large prices for our best fruits.

The great leisure life belonging to the farmer on the Atlantic seaboard is destined to come when the fruit orchards are the primary thing on every farm, and when everything except the fruit production shall be for the home consumption.

Entered as second class matter at Baltimore, Md.

— THE —
MARYLAND FARMER
 — AND —

NEW FARM.

Agriculture, Live Stock and Home Life.

Oldest Agricultural Journal in Maryland
and for ten years the only one.

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Success In Farming.

In the land of abandoned farms—in the heart of New England—the subject of success in farming has been under serious discussion.

Those who have taken prominent part in the discussion seem to believe that there is just as much room for success in farming as in any other occupation or profession.

That farming requires the most intelligent, the most observing, the most skillful to insure a marked degree of success, just as any other pursuit requires these things.

New England farmers who have visited the famous localities of California believe, and express very freely the belief, that amid the abandoned farms of New England, there are just as good opportunities for successful farming as in California.

Successful farming depends upon the man more than upon any other circumstance; and if the man is right success is bound to follow, no matter where he is located.

The same might be said, of course, concerning any occupation in life. The man is more than his surroundings.

The general conclusion seems to centre, however, in the following items, a great help to the man in his endeavors for success.

1. That he should devote himself to that particular branch in which he takes the most interest: One perhaps in dairy and stock; another in poultry; another in small fruits; another in garden truck, &c., &c. This would lead to success.

2. That crops should be grown for which the soil is especially adapted on each farm, and other crops should be left for other farms.

3. That the farmer should learn to buy and sell, as well as to grow produce.

Then the subject of what is the real success of farming also comes forward, and the discussion seems to decide the matter in this way:

1. Enough money to secure freedom from debt for the ordinary comforts of home.

2. Enough of the necessities of life to bring freedom from care as to the food supply.

3. Leisure for the real happiness of each member of the family,

4. Taxes of the church and of the State well provided, with a little secured for a rainy day.

Success such as is here set forth would seem no very difficult matter for any intelligent farmer to secure; provided he does not join with it the idea of rapidly accumulating great wealth.

As to our State of Maryland, and all through Virginia and North Carolina, we believe there are no better opportunities in the world than are here presented for a successful and happy life on the farm.

The young man who will take a farm in this region and intelligently work it, with a sensible idea of success, as a comfortable and happy life, will surely be amply rewarded.

April, South.

APRIIL is the great planting month of the South. It is the season for cotton planting and many are the resolves made to regulate the amount of this staple to be planted.

We believe, however, each planter should use his own judgment in this matter, and plant according to the circumstances which surround him.

As soon as the planter begins to look to the harvest instead of to the present work of planting, he loses his

grip of affairs and becomes muddled. A few may be long-headed enough to avoid this; but this seems to be the general result.

There is in our opinion no possibility of any general agreement to plant less or more, which will be adhered to by planters generally; and if any such arrangement could be made, it is questionable whether it would be good policy.

We do not believe in combines, trusts, etc., for the purpose of restricting production or raising prices.

It is undoubtedly right for individuals to surrender some of their freedom of action for the good of the entire community; but this is not an argument in favor of class combines, for the purpose of selfish advantage at the expense of the entire community of consumers.

Plant then that area in cotton, which is most convenient, and which, all things considered, promises the best results.

We would, however, urge that other crops should receive more attention than hitherto has been the case throughout the South. A greater variety we believe will be productive of greater prosperity.

Oats.

The best method of sowing oats is said by some to be the old one of broad-casting them and then using the harrow.

It would be well if farmers would

make a thorough test by broad-casting and by the more modern method of drilling in the seed.

It is getting to be quite fashionable of late to decry the use of the drill in putting in all the small kind of grain. It is hardly possible therefore to depend upon any statement unless well fortified by the trial of skilled men who have actually made the trial.

We have seen some shoes of the drill which scatter the seed fully as much as broadcast sowing; and we have been told they are much better than the ordinary drill as to yield of the crop.

The Butter Extractor.

Some months ago we called attention to this invention. It is no longer an experiment; but is doing good substantial work. It is no longer necessary that a person should become a skilled butter maker: he merely must have money enough to purchase a machine and then set it in operation. Pour in the milk and butter color, and in due time the butter will come pouring out nicely colored and ready to be made up into rolls.

For some time here in the city we had a slight evidence that the cow was not much of a necessity in the matter of producing milk, since artificial milk could readily take its place; and now what is to be said since the good butter maker can be wholly dispensed with while the machine turns the milk rapidly into butter.

REMOVAL.

The Principal office of the MARYLAND FARMER will hereafter be at 887 North Howard St., opposite the 5th Regiment Armory, Baltimore, Md., where we shall be happy to see our friends who may have occasion to visit the city.

For the convenience of those whose business is mostly in the lower section of the city, we have made arrangements to have a branch office at the old stand, with E. Whitman, Sons & Co., 27 East Pratt Street, who will receive subscriptions and orders in our behalf.

Cheaper Rates.

Everything which affects the great body of the people should be placed at the very lowest possible figure as to cash.

Why should government be willing to pay out hundreds of thousands of dollars in subsidies to benefit a few individuals, but begrudge a tenth as much to the Post Office Department to cheapen letter postage and postage on plants and seeds?

Why should Rail Roads carry a barrel of flour 300 miles for fifty cents; but charge a man who loads and unloads himself, eight or nine dollars for the same distance?

In our country whatever will benefit the great mass should be provided cheaply.

IF YOUR WAGON or buggy needs painting, buy a copy of "Everybody's Paint Book" announced in our advertising columns and learn how to do it yourself.

WATERED STOCKS.

The general assertion that it is necessary in order to pay interest to the owners, that freight rates and passenger rates on Railroads should continue high and burdensome, rests on the fact that millions upon millions of railroad capital consist of watered stocks.

In other words farmers are forced to pay enormous rates, to support this fictitious valuation placed on railroad property.

It is in this way that American capitalists so rapidly become millionaires, and demanding interest payments on their diluted stocks, live as princes are supposed to live in benighted Europe.

It is a fact to be greatly deplored that watered stocks should be allowed to excuse the extortions of railroads; and we are in favor of any method by which this fictitious valuation can be destroyed and railroad property be brought back to its actual cost, and the rates of freight and fare be properly apportioned to this actual cost.

PHINEAS T. BARNUM.

The death of P. T. Barnum, at the age of 81, has occurred since our last issue. Perhaps no name is so well known throughout the country and the world as his has been. The great Showman. In a good and pleasing way the synonym of Humbug; but of a species of humbug

which has never offended anyone who has been humbugged by him.

Connected with his prominence has always been the element of a religious and moral rectitude notwithstanding the connection with circus and show surroundings.

The great advocate of temperance on every suitable occasion, and the foremost of champions in every moral and religious reform, speaking, working and giving for the advancement of humanity, he fairly rises morally above all thoughts of humbug and shows.

Few names will be longer remembered in our land than that of Phineas T. Barnum, and everyone will remember it with a feeling of pleasure, because all associations connected with it are actually pleasant.

TRUCKING AND THE CENSUS.

The late census, in giving among other things the profits of trucking farms, opens a field for very serious study.

It shows that very small areas of land if properly handled will give a good living to industrious workers. It mentions the ordinary profit as often ranging as high as \$300 per acre.

This profit can only be considered in the ordinary pursuit of truck farming, not in exceptional cases. It is well known that in exceptional cases the profit has been carried up to about \$1000 on single acres.

The only difficulty is in the intelli-

gent prosecution of the work and the proper handling of the produce. This must be learned as must any other trade or profession.

A POSTAGE STAMP.

We receive many letters requesting information, which we would be pleased to answer; but the writers seem to forget that it is important to enclose either a postal card or stamp for reply. This should invariably be done when not a matter of our business; otherwise we cannot answer.

piece of ground in Onions, when prices are only half what they have been during the past winter, will pay well for all extra labor. Rolling in dollars of profit by the hundred from each acre of Onions is not to be treated as of little moment. If you need information on the culture of Onions a thorough treatise on the subject may be had for twenty-five cents, and we should not have another year pass with the small supply of the past year. It is a vegetable which brings a vast amount of health to those who use it, and adds strength to the laboring population.

THE NEW DICTIONARY.

We do not hesitate to say that the best Dictionary ever examined by us is the new Webster's International Dictionary. In consulting it we obtain full satisfaction every time. It is the greatest work of the kind in the world and the publishers should reap a reward to correspond with the value of the work and the enormous expenditure which they have bestowed upon it in labor and in cash.

ONIONS.

The very high prices at which Onions have been held during the past winter should not be forgotten by the farmers. It is of course a fact that they require a little more attention, labor, care than most other vegetable crops; but at the same time the amount realized from a very small

The World's Fair '93.

Will be held in Chicago. The Pioneer Buggy in '91 will be made in Columbus, O. If you care to know how, send 10 cents, silver or stamps, for "Complete Horse Book," and that will tell. Pioneer Buggy Company, Columbus, Ohio.

For The Maryland Farmer.

FACTS TO BE REMEMBERED.

If you can put the fertilizer on one acre, which you have been placing on two or more, and from that one acre get more profits than you have been getting from the larger area, why should you hesitate? This can be done every time.

One good cow, producing abundance of milk and butter and thus bringing fair profit for her keeping, is far better than half a dozen poor cows whose keeping and produce merely balance the

account, merely offset each other. Better put the cost of the half a dozen into one royal prize cow, than to continue feeding the six without profit.

Now is the time to watch trees. Henceforth free them from all dead branches and twigs, and whenever sprouts show themselves where you do not wish them to grow nip them at once.

Nothing like a comfortable warm barn or stable can add to the profit of stock—compare their sleek coats with the rough covering of that stock which has been exposed to the winter cold and storms by the thoughtless or the careless.

The home is made immensely more comfortable if connected with the kitchen is a capacious wood shed, dry, perfectly enclosed, and filled with an abundance of good wood properly prepared for daily use. No other fire is equal to a good hard-wood fire in our homes.

Pop-corn brings more in the winter market than any other kind of corn at any other time of the year. The "rice" pop-corn readily brings ten cents a dozen ears, at retail, in our Baltimore market, and this is the kind to grow. Consider what an acre of pop-corn would bring at this rate.

Grow what you are obliged to have for your own stock, if you have land and labor to spare. But if you can devote what land and labor you have in such a manner as to produce twice as much cash as would be spent to supply your stock, what then? Need we advise?

A five acre Orchard in the State of

Maine, fifteen miles from Portland, mostly in pears, has supported comfortably a family of six persons for fifteen years, educated the children, given many luxuries including musical instruments, fine pictures, reading, etc. Who will be benefited by this fact?

The *Scientific American* tells how a whole house in Paris is warmed with one ton of coal for a year. When we consider the amount used by one American family, the lesson of economy is emphatic.

Horses are bred for speed, for work and for beauty. These are all marketable products. Speed the best for money, beauty next, and the most useful item at the end of the list. But all are worthy of attention.

Now that so many carry watches it should be generally known that a watch will always enable one to distinguish North and South whenever the sun is at all visible. Let the hour hand point to the sun and half way between the hour hand and twelve will be exactly south.

Any cultivation which disturbs the fine roots of growing plants is an injury—deep cultivation therefore after the roots have spread through the soil should be avoided. This applies to everything that you grow. Clean shallow culture and plenty of it should be the rule.

The land is the only permanent thing belonging to us. It is sad to think that so few of us look upon it as of this character. It is more sad to think that for-

eigners are appropriating such vast quantities of our new lands and are even taking from us our home farms in the old States and enjoying the old homesteads of our fathers.

English Sparrows should receive no quarter, unless you are willing to lose all other birds, of song, of home association, of value as insect destroyers, and to submit to unexampled depredations on every small grain in the field, in the shock and in the granary.

The farmer who will spend that part of his income for his home—his wife and children—which is often spent for liquor, tobacco and cigars, will soon find complaints all swept away by the tide of happy feeling and by the growing comforts of his fireside.

Fertilizer at the stem of a plant is not as valuable as if mingled in the soil around it a foot away or more, according to the size of the growing plant above ground. For trees it should extend even further than the largest branches.

The best fertilizer on the farm is the compost of barnyard manure with soil with layers of the horse stable, pig pen and cattle barn manure. If you can get plenty of this don't buy any other. Commercial fertilizers are helps where this farm compost fails in the quantity needed.

Don't stint work in the preparation of the kitchen garden. Give it plenty of old, well-rotted manure and work the soil until free from stones and lumps. Finely worked, rich ground—a sandy loam—is the very best ground for kitchen truck. Dig deep, enrich thoroughly,

plant judiciously and enjoy your garden from the first pie-plant or asparagus shoot to the latest cabbage head, or parsnip, or celery.

If you would have a good thrifty garden, growing vegetables and small fruits to perfection, you must have no trees in it. The trees destroy its productiveness by shade and by appropriating all its nutritive elements.

Young animals should have good food and all they will eat every time, to keep them constantly improving. The entire profit to you in the future depends upon this.

In spring many pastures and grass fields are really injured by stock trampling when the ground is soft. So long as there is danger of this, turning stock into meadows is a costly way of feeding them.

In setting out trees the latest experience says, trim them but little—heavy cutting is an injury. Young trees require training and all trimming should be done with this idea. To improve their form and to adapt them best to future use.

Fences are the costliest items of farm life, involving an unproductive capital of \$700,000,000 in this country. They occupy the best land, because of accumulated richness near and beneath them. If each farmer should only fence for his own stock, what a blessing!

We see some of our contemporaries are disputing as to which of them "has had the best article on 'Milk,'" etc. The best article we ever saw on milk was cream.

MAKING GOOD LEAN PORK.

The desire of good lean pork instead of so much fat has put many people to considering how the supply may be increased. One says to keep the young pigs as long as possible in pasture on grass and feed skim milk and bran and no corn. Feed them plenty of vegetables and apples with the bran. When the bodies or frames are grown, give them oatmeal or rye ground entire, mixed with bran, putting in twice as much bran as rye. Keep up the vegetable and apple diet and allow them, during this time, to eat all the grass they will. A little corn may be fed towards the end. Pork made in this way will have more lean, and will be tender and juicy. In this way there have been produced hams seventy-five per cent lean. The fat is something more than mere lard. It is meat, with substance and grain of meat. To get such pork is worth trying for, as it is in demand.

Bees and the Weather

A nice observer by looking at the bees in the early morning, during the working season, will soon be able to form an opinion as to what the day will be, and that almost to a certainty, for they will sometimes appear sluggish and inactive, although the morning is very bright, and showing every appearance of a clear day, but the sun soon becomes clouded, and rain follows; and, again, the morning may be dull and cloudy, and sometimes rain may be falling, still the bees will be observed going out in considerable

numbers, and as sure as this is seen, the day becomes bright and fair.

Spraying Fruit Trees.

Recent census statistics show that the ravages of our insect pests cost the fruit growers of the U. S. the enormous sum of \$200,000,000 annually, and experiments by our leading Entomologists and Horticulturists show that seventy-five per cent of this loss can be prevented by the proper use of insecticides. The actual cost of spraying the average fruit tree does not exceed three to four cents per tree per season, counting time and material. Mr. P. C. Lewis, of Catskill, N. Y., has just issued a catalogue entitled, "Will it pay to Spray Fruit Trees," it will be sent free to any of our readers. See Mr. Lewis' adv. elsewhere.

For The Maryland Farmer.

The Seed Division.

"Government Seeds" occupies considerable attention in *Vicks Magazine* for April. Perhaps no one is better able to judge of the quality and value of the seeds distributed by the Agricultural Department than the Editor of *Vick's Magazine*. But where the producers and sellers of seeds find fault with the government's distribution, there is always an idea (latent in many cases, perhaps,) that selfish interest causes the comments and strictures.

Still, it is an undoubted fact that a great abuse has grown up in connection with the Seed Division of the Agricultural Department, which should be looked after. It is a part of the general extravagance which has characterized

political action for some years back. We turnip seeds! There are left only 150, 910 packages which might possibly prove to be of any value—about one-seventeenth part of the whole. And this agrees wonderfully well with what we have previously said in these pages, that if the government should appropriate \$5,000 for the Seed Division for its legitimate use in the dissemination of new and valuable seeds, it would be ample.

The Government Seed-Shop.

For many years the appropriations for the distribution of seeds by the Seed Division have been growing larger, and the kinds and the character of the seeds sent out have made it evident to all that the original good purposes for which the Division was established had been lost sight of, and had become debased to the bad services of politics. The primary object of distributing seeds by the government was to procure those which were considered of usual merit in foreign countries, through our consuls and other agents, and to send them to parties in this country who would give them a trial and ascertain their value. To the extent that the government has acted in conformity with this primary intention, may the usefulness of the seed distribution be measured, and beyond this, in the opinion of those who have watched the operations of the Seed Division and are well qualified to judge, the money expended, or by far the greater share of it, has been lost; and the evils connected with the distribution have been so gross that, in the apparent impossibility of correcting them, a strong demand has been made to abolish the Division entirely.

Under the appropriation act of Congress, from July 1, 1888, to June 30, 1889, the whole number of packages sent out was 4,852,512. Of this number 4,018,031 are vegetable and flower seeds, leaving only 834,481 of all other kinds, mostly under the head of field seeds. But among these 548,009 packages are

wonderfully well with what we have previously said in these pages, that if the government should appropriate \$5,000 for the Seed Division for its legitimate use in the dissemination of new and valuable seeds, it would be ample. As far as relates to vegetable and flower seeds, we say, without fear of contradiction, that the Seed Division has never sent out a new and useful variety. In the nature of the case they cannot do so, since they procure their stock of these seeds from the seedsmen who have already put them on the market. In the very last report of the Secretary of Agriculture, 1889, correspondents who have received vegetable seeds report on the value of Early Mohawk and Early Red Valentine Beans, Danver's Yellow Onion, Champion of England Peas, the Deacon Lettuce, All Seasons Cabbage, and some others, all of which have been sent out by seedsmen, and most of them for many years.

The seeds sent out by the Department are mostly given to Members of Congress. According to the tabular statement, Senators, Representatives and Delegates in Congress were given 3,732,112 packages, leaving a little over a million to be sent to individuals. Experiment Stations and agricultural societies. And this explains why the Seed Division has grown as it has; and Congress is willing to make appropriations for it. Politicians own it and use it for their own purposes, while the original purpose for which it was established has vanished.

from sight. The Agricultural Department, on the whole, we regard as admirable, and is doing excellent work for the country; but the Seed Division has been degraded to low political uses at the expense of the people, and the better informed portion of the community demand its improvement or abolishment.

One-tenth part of the money now appropriated for the Seed Division would be entirely sufficient for all good uses. The rest of it is worse than wasted, and the officers of the Agricultural Department know it, and the people know it!

THE INDUSTRIAL WEST.

The Chicago, Burlington & Quincy R. R. Co. has 7000 miles of steel track road extending west and north of Chicago, Peoria and St. Louis, and east of the Rocky Mountains, reaching with its own rails all the large commercial centers in the west, affording unsurpassed facilities in service, and excellent localities for manufacturing enterprises. The undersigned invites correspondence with manufacturers contemplating establishing in the west. Address Geo. H. Ross, C. B. & Q. R. R. Co., Chicago, Ills.

For The Maryland Farmer.

GOVERNMENT INSPECTION OF MEATS.

Meats—Pork and Beef—intended for exportation, or intended to be shipped from one State to another, are hereafter to be subject to strict inspection.

This inspection will of course beat the packing houses; for no packer can tell to what locality his production may be carried. The government agent, or inspector, commences with the animal before

it is slaughtered, and afterward examines the meat before being packed.

In this age of pleuro-pneumonia and tuberculosis among beef cattle, and trichina among porkers, it is highly important work and will be welcomed by the public at large as a long needed want supplied.

It is also a good thing for the packers; for it will give their packed meats a better standing both at home and abroad, while the people will generally have more confidence in their good, healthful qualities.

Asparagus Culture.

The two great requisites for the successful growth of asparagus are manure and plenty of space, says *Country Gentleman*. For manure, the best cultivators apply an amount equal to a stratum over the whole ground of two or three inches; and in order that its enriching portions may find its way among the roots below, it is applied late in autumn, the rains and melting snows carry down the soluble portions. If super-phosphates have been found beneficial to the soil, an addition of this fertilizer will be valuable. A copious enriching of this character should precede the planting, but as this has not been done, the above mentioned treatment will be next best. The other requisite is ample space for the plant. Each plant should have four or five feet space on each side; that is, the rows should be four or five feet apart, and the plants four or five feet in the row. With this space, the plants will, in a few years, throw up fifty or 100 large stocks,

instead of the few puny and slender ones when they grow within a foot or two of each other. It is much easier to plant and manage such a plantation, even with a depth of cultivation not over eight or ten inches, than the deep trenches formerly adopted. Such beds are cheaply cultivated with a horse. Gardeners do not agree that salt is necessary, but a dressing at the rate of a half a peck to a square rod is easily applied, and can do no harm.

In Darkest Africa.

They did not have a "Horse Book" or a "Pioneer Buggy;" If they had the Rear Column would not have been in disgrace. Send 10 cents, silver or stamps, and learn how to cure the Horse, and where to buy the Buggy. Pioneer Buggy Company, Columbus, Ohio.

GOOD THOUGHTS.

The demands of necessity are really small, and it is only when we consider our neighbors' estimate of what we ought to have, that we discover many needs we never dreamed of before. Forget "what the neighbors will think," and the outlook will be brighter. It is as bad house-keeping to wear a mournful face as it is to provide sour bread. A little valor in man and a little faculty, tact and hope in woman can make life tolerable, even if one must relinquish all expectation of great possessions, or even of moving into a better tenement next year.—*N. E. Farmer.*

Many farmers in Hancock, N. H., are enlarging their flocks of fowls. Their

hens pay the best of any branch of farming, even better than dairying. Quite a number have several hundreds, and one man has over 3000.

The acre of ground around the country school-house should be a paradise of trees, shrubs and flowers, a beautiful experimental garden.

The man who wilfully and needlessly deprives his family of the privileges of a good vegetable garden, fails in one of his foremost duties. He can not possibly be a good husband or a good father, and he certainly is not a good christian.—*The Greiner.*

Nothing in the way of feed will take the place of kindness to milch cows—tender handling, pleasant words are the best things you can bestow upon them.—*Maryland Farmer.*

We need better school books, books that inspire for farming. Our present readers are written for city life. "Every smart and diligent boy becomes a great and happy man in some large city." Such nonsense our boys and girls learn daily. These lessons poison their love for the occupation of their fathers, and too late they find out their mistake.

The *Massachusetts Ploughman* gives some interesting items:

The rage for big and unwieldy strawberries is foolish. Berries of medium size, good color and fine flavor are vastly better than most of the "mammoth" berries. The latter are generally poor keepers, grow soft in shipment for even short distances, and sometimes from a

fourth to a third of the purchase must be thrown away. And of all mean and disappointing varieties the Sharpless is the worst.

Late hours, late suppers, little sleep and too much "fun" is what is sapping the energy and usefulness of many a young man in the city. With all his supposed disadvantages, the young man on the farm is comparatively free from temptation to such follies.—*Western Rural.*

The man whose eyes are like an eagle's who notes every time he goes by a sheep the color of its nose, the glint of its eyes and the suppleness of its walk, can throw physic to the dogs. The man who takes care of his flock as he ought will have very little time to bother with a sick sheep, and, what is better, he will have very few to bother with.

A Western nurseryman finds that "grape consumers care little for quality." This is doubtless true of other fruits also. Buyers usually select by the eye, or else call for a "popular" variety, such as the Bartlett pear, Lawton blackberry, Baldwin apple, Concord grape, etc. They know little or nothing about quality, nor do they know the fruit by sight.

A young tree with a small top and abundant roots is worth far more than one with a fine, well-shaped top and few roots.

I know of no better augury of a young man's future than true filial devotion. Very rarely does one go morally wrong whose passionate love to his mother is a

ruling force in his life, and whose continual desire is to gladden her heart. Depend upon it, next to the love of God, this is the noblest emotion.

The best woman has always somewhat of man's strength; the noblest man, a woman's gentleness.

A crowd is not company and faces are but a gallery of pictures, and talk but a tinkling cymbal, where there is no love.

Young and thrifty trees for orchard planting are cheaper and more satisfactory than large ones. Pear and peach trees are best at one year from the bnd. There is less proportionate injury to the roots in transplanting, the first cost is less, the freight is less, and small trees resume rapid growth after transplanting sooner than large ones.

Let a man learn that everything in nature, even motes and feathers, go by law and not by luck, and that what he sows he reaps.

Blackberry and raspberry canes will not need staking when properly cut back. The young cane should always be "snipped" or pinched off at about three feet, and the laterals shortened in, the next spring.

In training young colts be systematic. Teach them to do one thing at a time, and see that they learn that one thing thoroughly.

Don't give a young horse a chance to run away, for if he runs once he is apt to run again on the slightest cause. If not allowed to run while young he will grow

up in blissful ignorance of his power or ability to do so. Accustom a horse to all kinds of noises and accidents, by gently but firmly restraining him when frightened, and he will in time become almost incapable of fright.

That man has learned to live rightly, who takes with a smile the world's blame and with steady head and hand goes straight on with the work he has in hand.

When you get into a tight place, and everything goes against you, till it seems as if you could not hold on a minute longer, never give up then, for that's just the place and time that the tide'll turn.

If you raise the right kind of horses the buyer will come after them; if the wrong kind, you will have to hunt up a buyer, and sometimes have considerable trouble to find him.

One hundred years ago girls were not allowed to attend any of the public schools in the country. When the first high school for girls was opened in Boston in 1825, there was such an outcry against the innovation and so many girls applied for admission that after a year or so the scheme was abandoned.

A Chance To Make Money.

I feel it my duty to inform others of my success plating spoons, castors, jewelry, etc. The first week I cleared \$27.50, and in three weeks \$80. By addressing the Lake Electric Co., Englewood, Ill., you can get circulars. Six months ago I was poor, I now have a nice home and bank account all the product of \$3 invested in a Plater. A READER.

NEW MUSIC.

The Music House of T. B. Harms & Co., of New York, have published many of the most popular pieces of music, as witness those of Millard, Scanlan, Skelly, etc. We have received from their House the following new pieces which catch the popular fancy: Life in Paris Waltzes, by B. H. Janssen, 75c. The Skirt Dance from Faust up to Date, arranged for the Guitar by Lutz, 25c. And The Gilded Dome, Skirt Dance, by Edwin F. Kendall, 40 cents.

AN INDISPENSABLE TREE.

A fine old patriarch of a hickory, standing upon a bare, wind-swept hill-side, was blown down the other day, and the little nut lovers of the neighborhood were loud in their lamentations. For the hoary old tree, with a trunk five or six feet through, wide spread branches, and height of perhaps one hundred and fifty feet, never failed to rain down every autumn upon the children a perfect deluge of nuts, sound and rich, and sweet. It was amusing, yet pitiful, to see them swarm about their prostrate giant friend and bewail his hard fate. Great pieces of the shaggy bark were carried away and stored in "play houses" as shelves and mementoes by the girls, and the boys came to petition my father for bits of the wood to make handles for their "little hatchets," axes, etc.

Besides their value as nut-bearing trees,—and since nut culture is assuming such importance this is great,—the hickories are among the most useful and valuable trees in the world. The wood

which some of these trees yield has no superior, if, indeed; it has any equal, for certain important purposes. It is the hickory wood in the handle which has carried the American axe around the world and has driven, wherever it is known, all other axes out of the market. The same wood has made possible those light carriages which in turn have made possible the American trotting horse, one of the marvels of modern times. No other tree is known the wood of which is tough enough and strong enough to stand the strain imposed upon the American trotting sulky, and without the modern sulky, and its heavier forerunner, neither breeding nor training could have produced that race of horses which every American looks upon with patriotic admiration.

The shell-bark hickory is considered the most valuable species of the genus, though its nuts are not esteemed so highly as the pecans. The shell-bark is the tree which people usually have in mind when they speak of a hickory tree, and the peculiarity of the bark, which separates into great thick, loose scales, gives to the tree a distinctive appearance by which it is easily recognized.—*Vick's.*

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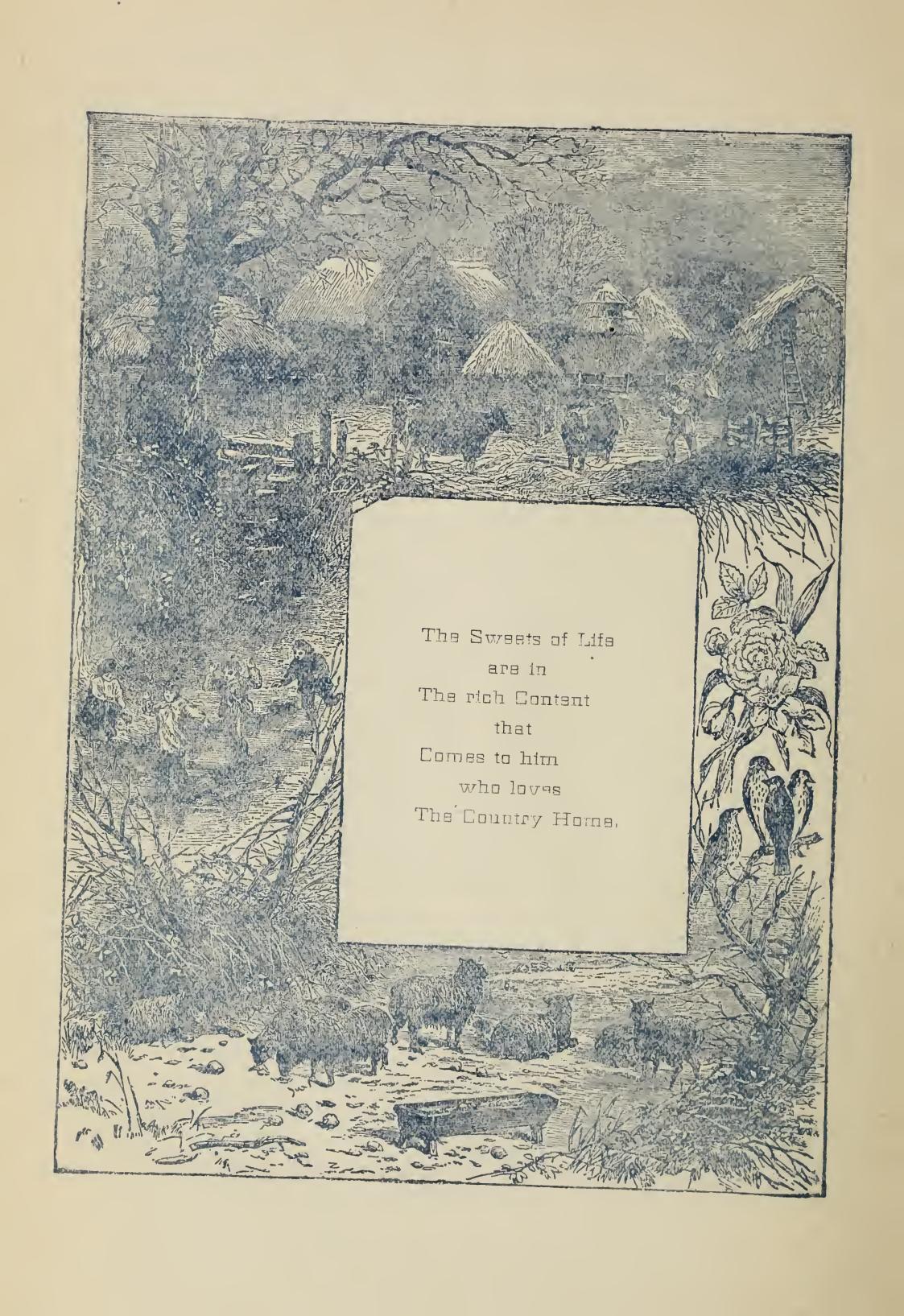
N. Y., sends us one of the best volumes which has lately been issued from the agricultural press called THE NURSERY BOOK, by Prof. L. H. Bailey. It is a practical explanation of how to do hundreds of things in propagation and rearing of trees, plants, flowers, etc., even to shrubs, ornamental and forest trees; all for \$1.00, or for 50 cents according to binding.

The same House sends us also THE NEW POTATO CULTURE, an attempt to show how after fifteen years experimenting by the author, E. S. CARMAN, Editor of the Rural New Yorker, the potato yield may be increased to three times its present average, by using the proper method of work and fertilization, without any material increase of cost. It advocates the trench system of planting and level culture. Both in the failure and success of its experiments are found profitable lessons. Cloth 75 cents. Paper 40 cents.

Fourteenth Annual Report of the American Humane Association, for the prevention of cruelty to Children and Animals. Reports from different sections of the Country of their work and the success thus far accomplished by them. There are 240 Societies in U. S. and Canada.

A SOCIAL METEOR, by Clement R. Marley, One of Street & Smith's Primrose Stories, 50 cents. That kind of sensational fiction which attracts the generality of readers, who love exciting scenes and incidents.

A small Boston girl of three, after a visit to the country, remarked wistfully “I wish we had a house out of doors.”



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 And the homes are growing better for the millions yet to be;
 And the poor shall learn the lesson, how that waste and sin are spoiling
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 They are giving of their millions as they never gave before ;
 They are learning the new gospel ; man must be his brother's keeper,
 And right, not might, shall triumph, and the selfish rule no more.

Lettie's Love Charm.

" **W**HAT HY, Lettie Vincent, you don't mean to say you have been quarrelling with Bertie—and only six months married ?" said Mrs. Austin, reprovingly, to her niece, who had run in for a moment to see her.

" Well, it wasn't exactly a quarrel," half sobbed Lettie. " But if he finds fault with me, I have to answer him back a little sharp, and then he goes away angry."

" I always had a charmin against these little storms when I was married : I inherited it from my mother, and I think I shall give it to you."

As she spoke she unclasped a necklace from her throat, made of twenty lustrous amber beads. " I didn't wear them when I was first married," said Mrs. Austin, " but carried them around in my pocket. So must you. Now, when your husband

speaks so sharply to you, and you feel like snapping back, just count three of these beads on your fingers. There is something mystic about amber, and when you have counted three beads you can say what you please." Lettie laughed a little angrily.

" You are making fun of me, aunty," she said.

" No, I'm not" she said gravely. " I don't expect you to believe it, but I do ask you to give it a fair trial."

" But it seems so ridiculous."

" Plenty of good things seem ridiculous at first ; but I know that if you won't utter a syllable after you have been vexed by Bertie until you say one, two three—one for faith, two for hope, and three for charity,—then, mark my word, child, you will find the amber charm will work."

" Well," Lettie said, taking the beads, and glancing at them a little supersti-

tiously, "I'll try them, but I'm certain they will," said the old lady cheerfully.

When Lettie went home that night, in the solitary summer twilight, Bertie Vincent was before her, impatiently pacing the floor.

"Well," he said sharply, "I don't know that I particularly admire to come home and find the house deserted. Why couldn't you have told me you were going away."

"Because I'm not a three-year-old baby, to have to ask leave every time I go out. That is the reason why."

These words were the answer that rose hotly to Lettie's lips, but she suddenly remembered the amber charm, and slipped her hand down into her pocket and deliberately counted three of the glittering globes; and by the time she had finished the "one for faith, two for hope and three for charity," a little of the dreariness of the unlighted apartment struck into her own heart, and she realized that it was a cheerless place for Bertie to come home to.

"I didn't mean to stay so late," she said, cheerily. "But I did want to go and see aunty so bad, and perhaps I should have told you that I thought of spending the day at the farm. I'll light the gas in a minute, dear."

Bertie's frown faded away.

"Well, suppose we both go down on Sunday, Lettie? I declare I don't wonder you want to go, for it is insufferably stupid for you here all day long alone, with the canary and kitten for company. Now sit down and let me read the paper to you until you get rested."

And an almost superstitious thrill passed through Lettie's heart as she

realized the success of the amber charm.

The next morning, Mr. Vincent, dressing in a hurry, found a button off his shirt.

"If there isn't another button gone," he exclaimed, angrily dashing the shirt to the floor. "It does seem to me you might be a little more careful about such things, Lettie."

A sharp retort trembled on Lettie's tongue, but like lightning the amber charm flashed across her memory, and the faith, hope, and charity trio were called to her relief.

"I will look them over this morning, Bertie. You shall find every button right after this."

As she spoke she laid out another shirt, not buttonless, and he laughed happily.

"I shouldn't have spoken so quickly," said he, "but you know what a button off a man's shirt is to his temper."

When he had gone to the office, leaving an affectionate good bye on Lettie's pretty face, she drew out her amber charm and divided Bertie's kiss with it.

"You darling old thing," she said aloud. "Bertie does love me, and thanks to you, my blessed trio, I am learning to control this pettish, wayward tongue of mine a little."

Autumn leaves were falling when she went down to the old farm-house again.

"Well, dear," said Mrs. Austin, "and how does the spell work?"

"O aunty," she cried, "I am so happy! I am so thankful to you! And if I can only keep those precious old beads forever—"

"Of course, my dear, of course; keep 'em as long as you want 'em. Only as far

as their being a charm is concerned—”

“ You needn’t tell me, aunty, about that.” And Lettie laughed and colored. “ I know it is not the three beads so much as the stopping to think. But who would suppose that little way of stopping to count would be actual discipline for ourselves! I know I was always quick and irritable, but, aunty, I am learning to control my temper. And if I live one hundred years, I feel that I must have my ‘ faith, hope, and charity’ charm.”

“ And so you shall, dear,” said Mrs. Austin, as she took off her glasses and wiped away the mist of tears that had gathered on them.

“ Because,” Lettie replied, “ they have no doubt been to me a precious charm.”

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Hark! Somebody is playing a delightful bit from Wagner.

Oh! that’s only James shovelling coal into the furnace.—*Life.*



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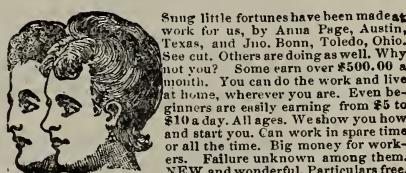
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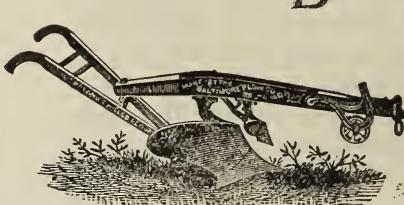
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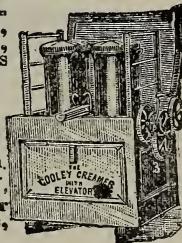
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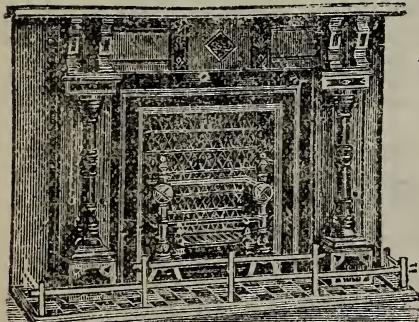
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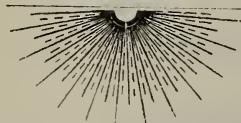
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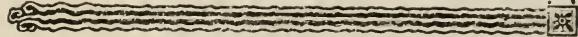


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1 Snake Ring, 1 Band Ring, and Agents samples of our latest and fine cards, all for a 2 cent stamp. Banner Card Co., Cadiz, Ohio.



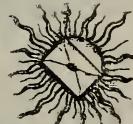
Cards **FREE** Send your name and address on a postal card for all the latest styles of Silk Fringe, Photographic, Envelope, Beveled Edge, Cray Edge Cards &c., samples of all free. HOME and YOUTH, Cadiz, Ohio.


SHEET


MUSIC.

Read our prices and see how much you save when you purchase Sheet Music of us, e. g.:

On a 40c piece you
save 18 cents;
On all others in the
same proportion.


OUR PRICES.

30 ct.	pieces for	17 cts.;
35 ct.	" "	20 cts.;
40 ct.	" "	22 cts.;
50 ct.	" "	27 cts.;
60 ct.	" "	32 cts.;
75 ct.	" "	40 cts.;

Also, we will send you, free, a Catalogue of 2000 pieces of 10 cent Sheet Music

WALWORTH & CO.,
887 N. HOWARD STREET,
BALTIMORE, MD.

Barrels of Money

are lost annually through poor advertisements — Because they are poorly displayed and placed.

Barrels of Money

are made annually through good advertisements — Because they are well and strikingly placed.

It is our business to prepare good advertisements, and place them where they will produce results, address —

GEO. P. ROWELL & Co.,
Newspaper Advertising Bureau
10 Spruce St., N.Y.

ESTABLISHED 1859.

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ALLEN ST., LOCUST POINT, BALTIMORE, MD.

DRAIN TILE, SEWER PIPE, FIRE BRICK, Etc.

Having placed the latest improved machinery in my Factory I am enabled to sell Drain Tile (with or without Collar), Sewer Pipe and Fire Brick at the lowest prices and equal to any in the market.



THE FOUNTAIN PEN.

After using for months, and thoroughly testing, this Pen, we have made arrangements to offer it as a premium to our subscribers. Send us 22cts. in one or two cent postage stamps and we will send you The Amateur World—"Our World"—one year and this Fountain Pen postage paid.

AMATEUR WORLD PUB. CO.

887 N. Howard st., Baltimore, Md.

HUGH SISSON & SONS,

Importers, Dealers and Manufacturers of

MARBLE STACUARY,

MONUMENTS, FURNITURE, SLABS,

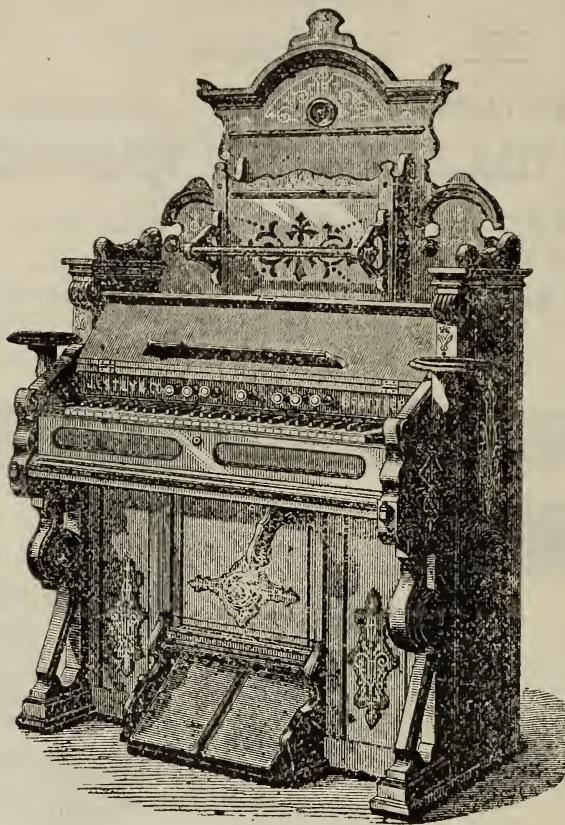
MANTLES, ALTARS, TILES AND TOMBS,

210 E. Baltimore St.

AND COR. NORTH AND MONUMENT STS.

Drawings and Estimates furnished free.

BALTIMORE, MD.



DO YOU WANT THIS ORGAN?

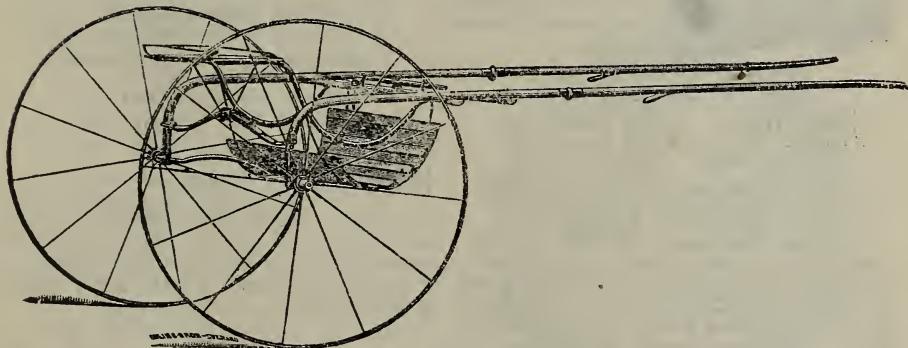
We will give a handsome Organ similar to the above which can now be seen at this office, 887 N. Howard Street, to any person sending us a club of 150 subscribers to THE MARYLAND FARMER. We will also give to *each subscriber* the eight Books offered in our advertisement——“\$3.00 for \$1.00”——so there will be no trouble for anyone to get the Subscribers. If you want the Organ send us word and go to work at once, send in the names with \$1.00 for each name as you get them and we will credit you with it and send the subscriber the eight Books by return mail and when you have sent in 150 we will send you the Organ.

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887 North Howard Street,

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WHITMAN'S AMERICAN ROAD CART. PRICE \$20.



We claim to be the Pioneers of the Road Cart Business in this State as we were the first house in the State to receive a car load (100) Carts, and have had more experience and sold more Carts than any house in the State of Maryland.

For 1890 we have contracted with one of the largest Manufacturers in this Country to make a Cart specially for us which we now present to the trade for the first time, having christened it

WHITMAN'S AMERICAN ROAD CART.

It is a Cart made to meet the popular demand : that is, a well made Cart at a very low price, and we say without any fear of being contradicted that it is THE BEST CART FOR THE PRICE EVER OFFERED IN THIS MARKET.

It is not only durable and well made, but also a very easy riding and neatly finished cart.

We use in their construction extra strong wheels, steel axle and tire, thoroughly seasoned selected hickory shafts, leather trimmed, and half-Elliptic spring hung directly under seat, and suspended at ends on swinging shackles, making the action of the spring soft and very pleasant.

The seat is suspended on "T" steel seat bars so bent that any one can enter the cart with perfect ease, and is also supported by an iron brace which is clipped to centre of spring and runs diagonally to the steel bars, making a very strong support to seat, and the foot rest which is a protection for the feet, is hung a little below the "T" steel seat bars.

Special prices to the trade.

**E. WHITMAN, SONS & CO.,
27 East Pratt Street,
BALTIMORE, MD.**

**"SHADELAND" THE MOST
EXTENSIVE
Pure Bred Live Stock Establishment
IN THE WORLD**



New Importations constantly arriving.

Rare Individual Excellence and Choicest Breeding.

Breeders and Importers of

Clydesdales, Standard-Bred Trotters,
Percherons, Carriage Horses,
French Drafts, Saddle Horses,
English Shire, Welsh Ponies,
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Suffolks, Shetland Ponies,
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Cleveland Bays, Cattle,
Hackneys, Devon Cattle,

Also, Dealers in Real Estate.

Our customers have the advantage of our many years' experience in breeding and importing; Superior Qualities; Large Variety and Immense Collections; opportunity of Comparing Different Breeds; and Low Prices, because of Our unequalled Facilities, Extent of Business and Low Rates of transportation. No other Establishment in the World offers such advantages to the Purchaser. PRICES LOW! TERMS EASY! Visitors Welcome. Correspondence Solicited. Circulars Free.

POWELL BROS., Shadeland, Crawford Co., Pa.

When writing please mention this paper.



10 Sweepstakes

41st & 21st

Premiums taken at Ohio

recent fairs in O. Impr'd

Pa. & W. Va. Chester hogs.

by the famous

to several foreign countries. Send for description

w L. B. Silver Co., Cleveland, O.

THIS CHAMPION ROAD WAGON \$30.

A Light Delivery, Market or Business Wagon.

Seated Family Wagon, \$38

Best Road Cart Made, 15

A Good Strong Road Cart, 10

Top Buggy with Shaft, 55

4000 lb. Platform Scale, 40

900 lb. Platform Scale, 15

A Next Buggy Harness, 7

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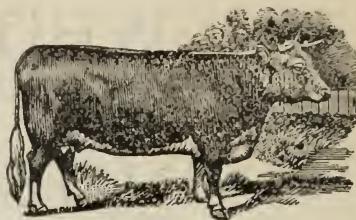
1000 Usefull Articles at Half Price, include Scales, Safes, Sewing

Machines, Buggies, Wagons, Harness, Blacksmiths Tools, List Free.

Address **CHICAGO SCALE CO., CHICAGO, ILLS.**



using "Anti-Corpulence Pills" lose 15 lbs. a month. They cause no sickness, contain no poison and never fall. Sold by Druggists everywhere or sent by mail. Particulars (sealed) WILCOX SPECIFIC CO., Phila., Pa.



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FARMERS and farmers' sons who have a horse and rig at their disposal, and who are looking for profitable employment may secure positions worth from thirty to sixty dollars a week by addressing **A. J. POTTER, 3 East 14th St., New York City.**

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Weaves to the posts. Best in the world. Thousands in use. Guaranteed. Freight paid. Agents are reporting big sales. Machines, Wire, etc., at wholesale direct to Farmers where I have no agent. Catalogue free. Address the manufacturer.

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FOR BEST HAY PRESSES

ALL STEEL PRESSES.



ADDRESS P. K. DEDERICK & CO.
DEDERICK'S WORKS, ALBANY, N.Y.

22

FARM ENGINES

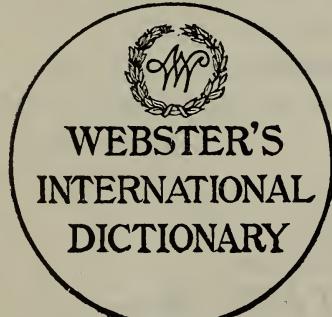


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A GRAND INVESTMENT
for the Family, the School, or the Library.
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Caution!—There have recently been issued
several cheap reprints of the 1847 edition of
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since superannuated. These books are given
various names,—“Webster's Unabridged,” “The
Great Webster's Dictionary,” “Webster's Big
Dictionary,” “Webster's Encyclopedic Dictiona-
ry,” etc., etc.

Many announcements concerning them are
very misleading, as the body of each, from A to
Z, is 44 years old, and printed from cheap plates
made by photographing the old pages.

WITH OUR PRICES

for Sheet Music, everyone can afford to
send it to their friends.

30c pieces for 17c. 35c pieces for 20c.
40c pieces for 22c. 50c pieces for 27c.
60c pieces for 32c. 75c pieces for 40c.

All Sheet Music sent free of postage.

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Also, over 2,000 pieces at 10cts. each.

If you are going to build
or have leaky shingle
or tin roofs sent for
sample and circular.
A. F. SWAN,
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2 & 3 PLY.
TRADE MARK.

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Make Everything
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GUM-ELASTIC ROOFING FELT costs only \$2.00 per 100 square feet. Makes a good roof for years, and anyone can put it on. Send stamp for sample and full particulars. GUM ELASTIC ROOFING CO., 39 and 41 W. Broadway, New York. LOCAL AGENTS WANTED.

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Will eclipse anything the World has ever seen. The startling features mentioned in connection with it, if carried out will astonish the civilized world. The greatest minds of the country are racking their brains to produce something of which mortals have never dreamed. To keep informed of the wonderful progress being made one should see every issue of “The Western World, Illustrated”, which will contain illustrations of the immense Buildings and improvements as fast as designed. It also contains information of all sections of this great country, indispensable to those seeking homes. Sample Copy and 100 Page Catalogue, of Clubbing and Combination Offers, 10 Cts.

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CREOSOTE OIL
BEST PERVENTIVE
AGAINST ROT OF POSTS OR TIMBER
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Three-Ply Roofing,

HEAP AND EASY TO APPLY.

FELT, PITCH, TAR, &c.,

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BLACK GLOSS VARNISH, the Best and Cheapest Paint for Preserving Wood or Metal.

Send for Prices and Information.

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Roofs of Houses, Railroad Cars, Decks of Steamboats, Scows, &c. covered at Shortest Notice.

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The BAR is filled with the finest of all kinds of LIQUORS. The TABLES are covered with the best substantial food the markets afford, besides, at the earliest moment they can be procured in the different seasons, every variety of delicacy that land and water furnish, in

Birds, Game, Fish, Fruits & Vegetables

Prices moderate. The crowds, which lunch and dine daily, attest public approbation of the superior management of the house.

It is a convenient place for travellers, who stop only a few hours or a day in the city, to get their meals. It is the popular resort of country gentlemen from the counties, particularly from Southern Maryland, being convenient to Railroads and Steamboats, and in the midst of the business portion of the city.

The proprietors will be grateful for the continuance of the extensive patronage they now enjoy, and will do their best to give entire satisfaction to all visitors.

Jan-ly

ESTABLISHED 1820.

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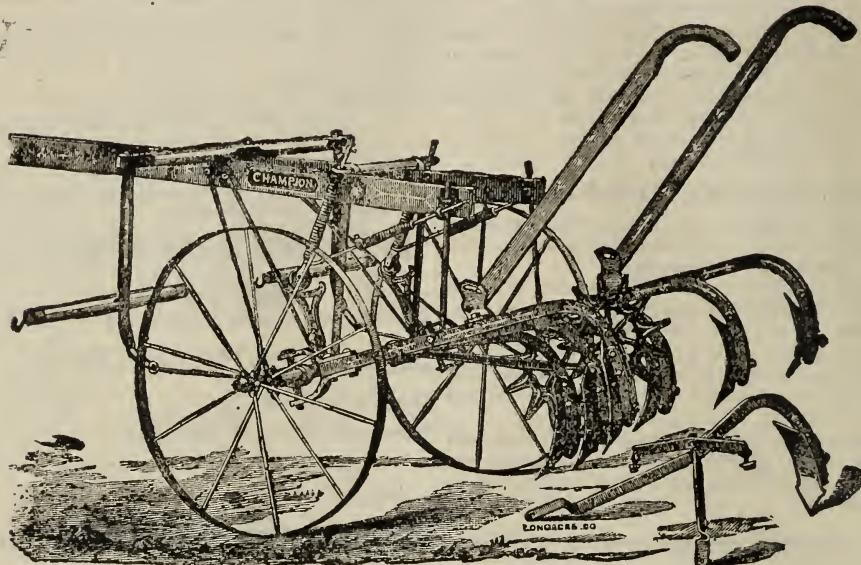
"FOR YOU." This popular Song (Words and Music) by Sidney Smith, will be sent free by mail and our paper six months all for 10cts. Do not miss this chance to get his new song.

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Champion Steel Walking Cultivator.

**THE PRIDE OF THE EAST, THE KING OF THE WEST
AND MONARCH OF ALL.**

The Champion of the Corn Field.



We take great pleasure in presenting to the public THE CHAMPION six shovel Corn and Fallow Cultivator, with seventh or middle shovel.

Having been thoroughly tested we can recommend it as the best Walking Cultivator in every respect without a single exception, that has ever been placed on the market.

Automatic Spring Pressure and Hoisting Device.

We have the most perfect spring pressure and hoisting device for regulating the shovel beams or drag bars for deep or shallow cultivating ever invented.

With a seventh or middle shovel which is attached to the coupling bolt in front, it makes one of the most complete fallow cultivators for preparing the ground for seeding, and for seeding in small grain, that has ever been placed on the market.

**E. WHITMAN, SONS & CO.,
27 East Pratt St., Baltimore, Md.**

GRAPE VINES

Also other SMALL FRUITS. New Descriptive Catalogue Free. T. S. HUBBARD CO., FREEDOM, N.Y.

WE WANT A NAME FOR IT'S NEW TOMATO

UNTIL a suitable name is suggested we shall call this Tomato No. 400. Read terms of competition below.

The No. "400" is the largest and heaviest Tomato known. In fact it is so solid as to be almost seedless. Color, rich, dark, crimson.

AND WILL PAY

\$ 250.00

FOR IT

The cut shows fruit one third natural size.

WE WILL PAY \$250.00 IN CASH

The average weight of this Tomato is nearly 2 lbs. each.

For the best name suggested for this New Tomato.

Purchasers are entitled to send in a name for each and every packet they buy. The names can be sent in any time before October 1st, 1891, and will be considered by a disinterested committee of three, who shall award the prize. Full directions for entering the names for competition given on every packet of seed.

Price of New Tomato No. "400," 25 cts. per packet, free by mail.

With every order for a packet or more, we will also send free our magnificent New Catalogue of "EVERYTHING FOR THE GARDEN" for 1891. Its value alone (of which is 25 cts.) on condition that you will state where you saw this advertisement.

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Bingham Bee Smokers.

You can have them now for \$1.00 each.

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Words and Music
10cts each.
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I always take de cake	Lyons	.40	Gondolier waltzes	Roeder .50
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In old Madrid	Trottere	.40	In the mill	Gillet .50
Just a little Sunshine	Hale	.35	Johnstown flood, Fantasie	Rivieri .60
Mary and John ; or The lovers' quarrel	Steiner	.40	Just a little sunshine waltz	Hale .55
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My love's last smile	Nevin	.35	Marguerite waltz	Miss Ida .25
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They're after me	Egghard	.30	Whistling Schottische	Wedel .35
True love is sweet	Hutchinson	.40	World's Fair, Grand March	.40
You'll kiss me at the door	Ward	.30	Turkish March	Rubinstein .40
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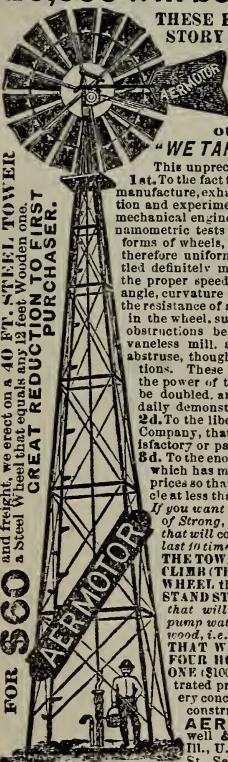
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POMONA NURSERIES.
WONDERFUL PEACH.
Lawson, Kieffer, LeConte and
Idaho, Japan and NATIVE
Plums. Apples, Cherries, Peaches
and Nut Bearing Trees. Strawber-
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Grapes in large supply. All the
worthy old and promising new fruits.
With PARRY, Parry, N. J.

45 sold in '88
2,288 sold in '89
6,268 sold in '90
20,000 will be sold in '91



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STORY OF THE EVER-GROW-
ING, EVER-GOING,
EVERLASTING
Steel AERMOTOR
Where one goes
others follow, and
"WE TAKE THE COUNTRY"

This unprecedented success is due to the fact that before commencing the manufacture, exhaustive scientific investigation and experiments were made by a skilled mechanical engineer, in which over 5,000 dynamometric tests were made on 61 different forms of wheels, propelled by artificial and therefore uniform wind, by which were settled definitely many questions relating to the speed of the wheel, the best form, angle, curvature and amount of air surface, the resistance of air to rotation, obstructions in the wheel, such as heavy wooden arms, obstructions before the wheel, as in the vanless mill, and numerous other more abstruse, though not less important questions. These investigations proved that the power of the best wind wheels could be doubled, and the **AERMOTOR** duly demonstrated to have been done.

2d. To the liberal policy of the Aermotor Company, that gives the customer satisfaction or pays freight both ways, and 3d. To the enormous output of its factory which has made possible a reduction of prices so that it furnishes the best article at less than the poorest is sold for.

If you want a firm Fixed Tower made of Strong, Stiff Steel, and a Wheel that will cost you less than wood, and last twice as long, DON'T WAIT THE TOWER OR DON'T HAVE TO CLIMB (The Tilting Tower) and THE WHEEL that RUNS when all others STAND STILL, or if you want a wheel that will churn, grind, cut feed, pump water, turn grindstone & saw wood, i.e., a GEARED AERMOTOR THAT WILL DO THE WORK OF FIVE HORSES AT THE COST OF ONE. Show what for the various illustrated prints of latter, giving every conceivable phase of Windmill construction and work, to the **AERMOTOR CO.**, Rockwell, Fillmore Sts., Chicago, Ill., U. S. A., or Branch, 12 Main St., San Francisco, Cal., U. S. A.

ANCHORED.

Two popular vocal pieces, words and music—a fine edition—each 10cts.

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WALWORTH & CO., Baltimore, Md.



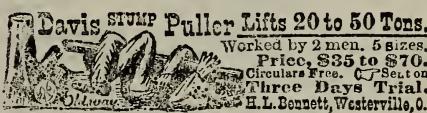
Grain Threshers, unequaled in capacity for separating and cleaning.

Combined Grain and Clover Threshers fully equal to regular grain machines on grain, and a genuine Clover Huller in addition.

Two Speed Traction and Plain Engines, 4 to 15 Horse Power, positively the most desirable for Lightness, Economy, Power and Safety. Boiler has horizontal tubes, and is therefore free from the objectionable features of vertical boilers.

Horse Powers, both Lever add. Endless Chain. All sizes. Send for catalogue. Address

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Davis STUMP Puller Lifts 20 to 50 Tons.
Worked by 2 men. 5 sizes.
Price, \$35 to \$70.
Circular Saw. Cut Section
Three Days Trial.
H. L. Bennett, Westerville, O.

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**\$65.00
Sewing Machine!**

For \$18.00.

Black Walnut Furniture Cover, Drop Leaf, 5 Drawers and Full Set of Attachments. Warranted. 4 lb Tea or Family Scale, \$1.00. 1,000 other Articles $\frac{1}{2}$ to $\frac{1}{4}$ usual prices. Send for Catalogue. CHICAGO SCALE CO., Chicago.



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